

# Malaikannan G

## List of Publications by Year in descending order

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Version: 2024-02-01

10  
papers

55  
citations

2258059

3  
h-index

1588992

8  
g-index

10  
all docs

10  
docs citations

10  
times ranked

42  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a novel autonomous space debris collision avoidance system for uncrewed spacecraft. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 2940-2952.	1.3	1
2	On the effect of repulsive magnetic field on partially premixed flames. IOP Conference Series: Materials Science and Engineering, 2020, 912, 042020.	0.6	2
3	Convective heat transfer and laminar flow characteristics of flow over a circular cylinder in presence of control plates. Fluid Dynamics Research, 2020, 52, 045501.	1.3	2
4	Development of a DSMC Numerical Algorithm for Hypersonic Flows. Lecture Notes in Mechanical Engineering, 2020, , 437-447.	0.4	0
5	A novel efficient hybrid DSMC dynamic collision limiter algorithm for multiscale transitional flows. International Journal for Numerical Methods in Fluids, 2018, 86, 565-581.	1.6	1
6	Development of an Efficient Kinetic Particle based Hybrid DSMC - DCL Numerical Approach for Hypersonic Rarefied Flows. , 2017, , .		0
7	Insights into flow and heat transfer aspects of hypersonic rarefied flow over a blunt body with aerospike using direct simulation Monte-Carlo approach. Aerospace Science and Technology, 2017, 66, 119-128.	4.8	33
8	Hybrid particle-particle numerical algorithm for high speed non-equilibrium flows. Computers and Fluids, 2017, 152, 24-39.	2.5	7
9	Novel Efficient Particle-Based Hybrid Approach for Modeling Hypersonic Rarefied Flows. Journal of Spacecraft and Rockets, 2017, 54, 1267-1277.	1.9	1
10	Molecular Dynamics Study of Gas-Surface Interactions in a Force-Driven Flow of Argon through a Rectangular Nanochannel. Nanoscale and Microscale Thermophysical Engineering, 2016, 20, 121-136.	2.6	8